

ACCESSION NR: AP4023403

S/0048/64/028/003/0537/0539

AUTHOR: Vinokurova, L.I.; Kondorskiy, Ye.I.

TITLE: Effect of hydrostatic pressure on the magnetization of rare earth metals  
[Report, Symposium on Ferromagnetism and Ferroelectricity held in Leningrad 30 May  
to 5 June 1963]

SOURCE: AN SSSR. Izvestiya. Seriya fizicheskaya, v.28, no.3, 1964, 537-539

TOPIC TAGS: magnetization, rare earths, rare earth magnetization, magnetization  
pressure variation, pressure dependence of magnetization, gadolinium, dysprosium

ABSTRACT: The magnetization of Gd and Dy in fields from 2 to 16 kOe was measured  
at 78°K at pressures of 1800 and 5000 atm, and in addition, that of Gd was measured  
at 243°K and 2150 and 5000 atm. The measurements were undertaken to obtain informa-  
tion concerning the effect of lattice spacing on magnetization in materials in  
which the ferromagnetism is due to f electrons. Water and gallium were employed to  
transmit the pressure to the samples, and the pressure was determined by measuring  
the distortion of the beryllium bronze pressure vessel. The magnetization was mea-  
sured by a compensation method using a photoelectric flux meter. The relative change ---

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$\Delta\sigma/\alpha p$  of magnetization with pressure was calculated from the measured relative change of flux by subtracting one-third of the compressibility. The room temperature compressibility was used for Gd because low temperature data were not available. Saturation was reached in Gd at a field of somewhat less than 10 kOe at 78°K, and approximately at 16 kOe at 243°K. The values of  $\Delta\sigma/\alpha p$  at saturation were independent of pressure. Saturation was not achieved in Dy, but an extrapolation suggests that here, too,  $\Delta\sigma/\alpha p$  would probably be independent of pressure at saturation. The values obtained for  $\Delta\sigma/\alpha p$  at 16 kOe are tabulated. The values of  $\Delta\sigma/\alpha p$  obtained for Gd are said to be in reasonable agreement with values calculated from magnetostriction measurements by W.D.Cornor and F.Hutchinson (Proc.Phys.Soc.75,485, 1960) and by R.M.Bozorth and T.Wakiyama (J.Phys.Soc.Japan,17,1669,1962). It is concluded that 1) the saturation magnetization of Gd and Dy decreases with increasing pressure; 2) the magnitude of the relative change of magnetization with pressure is approximately the same for Gd as for the metals of the iron group; 3) the relative change of magnetization with pressure is approximately the same for Dy as for the Invar alloys. It is suggested that the ferromagnetic-antiferromagnetic transition of Dy at 87°K may have something to do with the large values of  $\Delta\sigma/\alpha p$  observed for it is metal at 78°K. Orig.art.has: 1 formula and 3 figures.

Card

2/17

ACCESSION NR: AP4025953

S/0056/64/046/003/1149/1150

AUTHOR: Vinokurova, L. I.; Kondorskiy, Ye. I.

TITLE: Effect of hydrostatic compression on the magnetization of Ho and Er in the antiferromagnetic region

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 46, no. 3, 1964, 1149-1150

TOPIC TAGS: holmium, erbium, antiferromagnetism, hydrostatic compression, specific magnetization, compression dependence of magnetization

ABSTRACT: Measurements of the relative change of the specific magnetization following compression were made on polycrystalline samples of holmium and erbium in fields up to 17 kOe, using a measurement procedure and pressure-producing technique described earlier (paper presented at the Symposium on Ferromagnetism and Ferroelectricity, Leningrad, May, 1963). It follows from the results of the measurements that under the conditions of the experiment the magnetization of both metals decreases under uniform compression, with the ratio independent of H in the antiferromagnetic region but proportional to the pressure within the investigated limits. Orig. art. has: 2 figures.

Card 1/4

ACCESSION NR: AP4025953

ASSOCIATION: None.

SUBMITTED: 08Jan64

DATE ACQ: 16Apr64

ENCL: 02

SUB CODE: PH

NR REF SOV: 001

OTHER: 005

Card 2/4

ACCESSION NR: AF5000-11

AUTHOR: Vinokurova, L. I.; Kondorskiy, Ye. M.

TITLE: Influence of uniform compression on the magnetization of dysprosium and terbium

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 48, no. 2, 1965, 429-436

TOPIC TAGS: dysprosium, terbium, magnetization, antiferromagnetism, pressure coefficient, magnetic anisotropy

ABSTRACT: A study was made of the influence of pressure on the magnetization of dysprosium and terbium. It was found that the magnetic structure was antiferromagnetic at low pressures and became ferromagnetic at high pressures. The transition from antiferromagnetic to ferromagnetic structure was observed at pressures of 10-15 kbar for dysprosium and 15-20 kbar for terbium. The transition was accompanied by a change in the magnetic properties of the samples.

Card 1/3

L 39463-65  
ACCESSION NR: AP5006488

creased with increasing temperature up to  $146.5K < T < 169.3K$ , and then decreased. The transition temperature  $T_c$  is a function of temperature and is accompanied by a change in the magnetic state. At  $T_c$ , the magnetic state changes from a ferromagnetic to a paramagnetic state, while at  $T_c$ , the magnetic state changes from a paramagnetic to a ferromagnetic state. The pressure effect at the transition from the antiferromagnetic to the ferromagnetic state and the change in the value of the pressure effect, which leads to the change in the magnetic state, are also observed. The change in the pressure effect is observed in the range of temperatures from  $146.5K$  to  $169.3K$ . It is suggested that the observed reduction in the spin-orbit interaction is connected with a change in the value of the exchange interaction integrals under the action of pressure. The results of the measurements, 1 formula, and 1 table.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet (Moscow State University)

Card 2/3

VINOKUROVA, L.I.; KONDORSKIY, Ye.I.

Effect of hydrostatic pressure on the magnetization of  
dysprosium and terbium. Zhur. eksp. i teor. fiz. 48 no.2:  
429-436 F '65. (MIRA 18:11)

1. Moskovskiy gosudarstvennyy universitet.

Country : USSR  
Category : General Biology. B  
          Individual Development. Embryonic Development.  
Abs. Jour : RZhBiol., No. 3, 1959, No. 9688  
Author : Vinokurova, M. A.  
Institut. : Vitebsk Institute of Medicine.  
Title : A Rare Case of Double Malformation.  
  
Orig. Pub. : Sb. nauchn. rabot. Vitebskiy med. in-t, 1957,  
          vyp. 8, 83-85  
Abstract : A bicapital fetus, born dead, is described.  
          Two spinal columns, three thymus glands, two  
          esophaguses, two stomachs, four lungs, two  
          tracheas, one heart were found in the fetus.

Card: 1/1



VINOKUROVA, M. A.

Ca

Determination of arsenic in ores, concentrates and other materials. N. N. Seryukov and M. A. Vinokurova. *Zavodskaya Lab.* 6, 427-31 (1937); cf. C. A. 31, 2440. In the Agostini and Mazzetti (cf. Hartman, Z. anal. Chem. 84, 350 (1931)) modification of Bettendorf's method, the pptn. of As can be made with 2-3 g. instead of 35-40 g. SnCl<sub>4</sub> by evapng. the HNO<sub>3</sub> soln. with H<sub>2</sub>SO<sub>4</sub>, to fuming and treating the residue with 2-3 cc. H<sub>2</sub>O and SnCl<sub>4</sub> soln. After digesting on a water bath for 1-2 hrs., the As is gathered with the insol. residue is filtered through a Gooch crucible lined with asbestos pulp and then washed with HCl and detd. volumetrically by the Rabinovich method (C. A. 20, 729). For the detn. of small amts. of As, the As pptn. obtained as above, is oxidized with Na<sub>2</sub>O<sub>2</sub> in H<sub>2</sub>O, the soln. is treated with 25% H<sub>2</sub>SO<sub>4</sub>, and then with 10% Na<sub>2</sub>CO<sub>3</sub> to a neutral reaction (phenolphthalein) and the As is detd. in an aliquot part colorimetrically with molybdenum blue reagent by Zinsler's method (C. A. 20, 8722).

Chao Blanc

ASB-5LA DETAILING LITERATURE CLASSIFICATION

"APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001860020004-0

9/10/71 R. 17 M. D.

APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001860020004-0"

GORSHTEYN, M.G.; DECTYAREVA, S.A.; VINOKUROVA, M.A.

Filtering of a molten sulfur using a filter aid. Khim. prom.  
40 no.11:845-849 N '64 (MIRA 18:2)

VINOKUROVA, M.D., rabotnik pavil'ona.; GALKINA, A.G., rabotnik pavil'ona.;  
GITIS, Ya.Ye., rabotnik pavil'ona.; DERGACHEVA, V.I., rabotnik pavil'ona.;  
ZAK, R.G., rabotnik pavil'ona.; RAKSHA, M.A., rabotnik pavil'ona.;  
SALUY, Ye.A., rabotnik pavil'ona.; TARAKANOV, G.M., rabotnik pavil'ona.;  
TOMASHUK, F.A., otv. red.; DMITRIYEVA, L.A., red.; LUKINA, L. Ye.,  
tekhn. red.

[Far East] Dal'nii Vostok. Moskva, Izd-vo "Sovetskaya Rossiya,"  
1958. 109 p. (MIRA 11:12)  
(Soviet Far East--Agriculture)

VINOKUROVA, M.I.

CHUBAROVA, A.S.; VINOKUROVA, M.I.

Remarks on the textbook for public hygiene statistical work "The  
nomenclature of diseases" fourth revised edition. Reviewed by A.S.  
Chubarova, M.I. Vinokurova. Vest. ven. i derm. no. 4: 61-62 J1-Ag '54.  
(MEDICINE--NOMENCLATURE) (MLRA 7:8)

VINOCHUROVA, Mariya Konstantinovna

Of Hygienical Significance of Antimony in Tinned Plates and Dishes

Dissertation for candidate of a Medical Science degree. Saratov Sanitation-Hygiene Institute, 1955.

VINOKUROVA, M.K.

Toxicity of the octyl ester of 2,4-dichlorophenoxyacetic acid.  
Gig. i san. 25 no. 12:31-34 D '60. (MIRA 14:2)

1. Iz Saratovskogo instituta gigiyeny i professional'noy patologii.  
(2,4-D)

VINOGRADOVA, M.K.

"The Hygienic Importance of Antiseptics in Tin-Plated Dishware." *Soviet Biol Sci*,  
Saratov State Medical Inst, Min Health USSR, Saratov, 1955. (KL, No 1', Apr 55)

30: Sub.No. 704, 2 Nov 55 - Survey of Scientific and Technical Dissertations  
Defended at USSR Higher Educational Institutions. (1').



CA

VINDKUROVA, M. P.

PROCESSES AND PROPERTIES IN - 113

The effect of helminthic toxins on the blood sugar level. V. D. Semenov and M. P. Vindkurova. *Bull. Acad. med. sci. U. R. S. S. 4, 321-323 (1957) (in English).*

-The subcutaneous injection of 1-4 cc. of the celomic fluid of *Ascaris suum* into cats led to repeated vomiting in 20-30 min. The blood-sugar level before injection and 0.5, 1, 2, 3, 24 and 48 hrs. after injection was 89, 81, 74, 70, 78, 97 and 93 mg.  $\%_2$ , resp. The subcutaneous injection of 5 cc. of a soln. of the metabolic products of starving ascarids obtained by incubating living ascarids in 10-12 cc. of slightly alk. NaCl per individual at 37° for 24 hrs. into cats led to great excitation, with the blood sugar level before injection, and 0.5, 1, 2 and 3 hrs. after injection being 98, 88, 87, 85 and 85 mg.  $\%_2$ , resp. The injection of an F1011 ext. of the tapeworm *Dipylidium caninum* into a cat led in 0.5, 1, 2, and 3 hrs. to blood sugar values 10, 21, 43 and 34% below normal. In 24 hrs. the level was 2-3% above normal. Repeated injections (2-3 times) of celomic fluid led to decreases in blood sugar up to 30% in 3 hrs., but 8 daily injections of the metabolic products, though leading to hypoglycemia in 80% of the cases in 1 hr., gave only 4-7% decreases in blood sugar. Single injections of celomic fluid or the metabolic products into rabbits generally produced no regular changes, the blood-sugar levels varying from -4% to +3% of normal, with generally a slight decrease 3 hrs. after injection, but 2 or 3 injections of the fluid caused 8-15% hyperglycemia during the 1st hr., followed by 10-22% hypoglycemia in 1-2 hrs. S. A. Karjala

AS 58.55.4 METABOLICAL LITERATURE CLASSIFICATION

RENSKIY, M.D., VINOKUROVA, N.K.

Tobacco

"New varieties of makhorka." Reviewed by G.A. Shirgay. Tabak 13 no. 2, 1952.

Monthly List of Russian Accessions, Library of Congress, June 1952. UNCLASSIFIED.

VINOKUROVA, N. M.

USSR/Chemistry - Polymers

Jan 52

"Polymerization-Depolymerization. VIII. Action of Metallic Sodium on 1,4-Dibromobutene-2," Ya. M. Slobodin, N. M. Vinokurova

"Zhur Obshch Khim" Vol XXII, No 1, pp 105-109

Debromination of 1,4-dibromobutene-2 (I) with Na in dry ether proceeds by splitting off of Br to form 1,8-dibromooctadiene-2,6, which is further converted to octadiene-1,6, dodecatriene, and more highly polymerized products. Reaction mech is complex. High-polymer products must be increasingly unsatd. Upon splitting off of Br from I, cyclic hydrocarbons with 4 or 8 C atoms are not formed, in agreement with strain theory.

207T21

VINOKUROVA, N.M.; KHALETSKIY, A.M.

Synthesis and investigation of 5-(2-methylthioethyl)-5-(1-methyl-butyl)-2-thiobarbituric acid. Zhur. ob. khim. 31 no.4:1085-1087  
Ap '61. (MIRA 14:4)

1. Leningradskiy khimiko-farmatsevticheskiy institut.  
(Barbituric acid)

VINOKUROVA, N.M.

USER/Chemistry -- Pharmacology

Card 1/1 Pub. 151 - 18/38

Authors : Rachinskiy, F. Yu., and Vinokurova, N. M.

Title : Synthesis of certain phenamine derivatives

Periodical : Zhur. ob. khim. 24/2, 272-280, Feb 1954

Abstract : Thirteen phenamine (phenocoll) derivatives with elongated carbon side chain were synthesized and their properties investigated. Phenyl derivatives were found to be more active nerve stimulants than phenamine. The synthesis and properties of two new phenamine derivatives: 2-amino-3-phenylheptane and 2-amino-2,4-dimethyl-1-phenylpentane are described, together with the synthesis and characteristics of seven hitherto unknown nicotinic acid amides found to possess highly therapeutic values. Eight references: 3-USA; 2-USSR and 3-German (1928-1953). Tables.

Institution : ...

Submitted : July 6, 1953

FEL'DMAN, I. Kh.; VINOKUROVA, N.M.

Synthesis of amino sulfides and amino sulfones. Part 27;  
Synthesis of some salicylic acid sulfonamides. Zhur.ob.khim.  
33 no.2:394-396 F '63. (MIRA 16:2)

1. Leningradskiy khimiko-farmatsevticheskiy institut.  
(Salicylic acid) (Sulfonamides)



**"APPROVED FOR RELEASE: 09/01/2001**

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**CIA-RDP86-00513R001860020004-0**

**APPROVED FOR RELEASE: 09/01/2001**

**CIA-RDP86-00513R001860020004-0"**

VINOKUROVA, O. N.

Lapkin, I. I., and the students Shklayeva, M. G., Koryakina, G. A., and Vinokurova, O. N.-" Steric Hindrances at the Grignard Reactions. IV. On the new method of obtaining the Esters of the Secondary  $\alpha$ -Oxyacids" (p. 1338)

SO: Journal of General Chemistry, (Zhurnal Obshchei Khimii), 1947, Vol. 17, No. 7

ROZENFEL'D, R. M. (Kiyev, Vozdukhoflotskoye shosse, d. 66, kv. 22);  
VINOKUROVA, P. Kh.

Significance of bacterial flora in the development of postoperative empyema in tuberculous empyema of the pleura. Grud. khir. 4  
no. 1:81-84 Ja-F '62. (MIRA 15:2)

1. Iz mikrobiologicheskoy laboratorii (zav. - prof. R. O. Drabkina)  
i khirurgicheskoy kliniki (zav. - prof. N. M. Amosov) Ukrainskogo  
instituta tuberkuleza (dir. - dotsent A. S. Mamolat)

(TUBERCULOSIS) (EMPYEMA) (BACTERIA, PATHOGENIC)

CA VINOKUROVA, S.I.

11A

The cleavage of diketogulononic acid in the tissues of the animal organism. S. I. Vinokurova and L. M. Kusnetsova (Acad. Sci., Kiev). *Ukrain. Biochem. Zhur.* 20, 280-8 (in Russian, 268-8) (1948).—To det. the role of the diketogulononic acid (I) in the metabolism of ascorbic acid a soln. of dehydroascorbic acid was allowed to mutarotate for 18 days at room temp.; I was detd. photometrically after treating with 2,4-dinitrophenylhydrazine. About 1 mg. of I was added to 1 g. of tissue (20-25 slices, or slurry) in a phosphate buffer; after 2 hrs. 40, 80, and 35% of I was split off by the liver tissue of rabbit; the variation was probably due to uneven interaction of the enzyme; the best conditions were at pH 6.5-6.8; there was no reaction below 4.3 and above 8; the activity was appreciably diminished at 80° in 5 min., and completely in 10-20 min. The activity of the tissues

of liver, kidney, brain, and muscle, resp., was 52.5, 80, 35, and 8%. The formation of glyoxylic and oxalic acids could be postulated as the subsequent stages of the biochem. conversion of I. Boris Gutoff

VINOGRADOVA, T. D.

Bashkistrov, A. H. and Vinogradova, T. D. - "Cracking of kogasin in the presence of aluminum chloride", Trudy Vses. in-ta tekhn. tekhnologii in. Leningrada, Issue 2, 1949, p. 66-69.

SO: U-3042, 11 March 53, (Letopis 'Zhurnal 'nykh Statov, No. 8, 1949).

VINNICHENKO, Yekaterina Fedotovna; VINOKUROVA, Tat'yana Mikhaylovna;  
KOMULAYNEN, Al'bertina Andreyevna; NOVITSKAYA, Yuliya Yevokimova;  
BUSTROVA, Zoya Aleksandrovna; IVANOVA, A., redaktor; SHEVCHENKO, L.,  
tekhnicheskiiy redaktor

[Bringing wild grasses into cultivation] Vvedenie v kul'turu  
dikorastushchikh trav. Petrozavodsk, Gos. izd-vo Karelo-Finskoi SSR,  
1956. 63 p. (MLR 9:11)  
(Grasses)

VINOKUROVA, T. P.

USSR/Physics - Phosphorescence  
Biphenyl

21 Sep 49

"Influence of Temperature on the Phosphorescence of Diphenyl," B. A. Pyatnitskiy, T. P. Vinokurova, Gor'kiy State Pedagogical Inst imeni A. M. Gor'kiy, 21 p.

"Dok Ak Nauk SSSR" Vol LXVIII, No 3

From studies and tables for different temperatures, it follows that mechanism of phosphorescence in diphenyl 90-130°K has following general outlines: spontaneous transitions of electrons from the metastable to the normal level with radiation accompanied by transitions without radiation. Probability of the latter increases with temperature and is determined by value of quenching energy.

Submitted by Acad S. I. Vavilov 18 Jul 49

PA 149T95

GURIKOVA, Z.F.; VINOKUROVA, T.T.; NATAROV, V.V.

Diagram of the wind-driven circulation of the Bering Sea currents in August of 1959 and 1960. Trudy VNIRO 49:51-76 '64.

(MIRA 18:5)

1. Kafedra fiziki morya Dal'nevostochnogo gosudarstvennogo universiteta (for Gurikova). 2. Tikhookeanskiy nauchno-issledovatel'skiy institut morskogo rybnogo khozyaystva i okeanografii (for Vinokurova, Natarov).



L 47106-66 SWP(1) CV

ACC NR:

AR6019882 (N)

SOURCE CODE: UR/0169/66/000/002/V014/V014

AUTHOR: Vinokurova, T. T.

13 12B

TITLE: Variability of water temperature in the northern part of the Sea of Okhotsk

SOURCE: Ref. zh. Geofizika, Abs. 2V109

REF SOURCE: Izv. Tikhookeansk. n. -i. rybn. kh-va i okeanogr., v. 59, 1965, 14-26

TOPIC TAGS: water temperature distribution, sea water temperature, sea water

ABSTRACT: On the basis of the nature of its hydrological characteristics, the northern part of the Sea of Okhotsk can be divided for the summer period into three regions: the western region with a well-heated upper layer, and with high vertical and low horizontal gradients; the eastern region with lower surface temperatures but higher values of horizontal gradients; and the central region

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UDC: 551.526(265.3)

L 47106-66

ACC NR: AR6019882

which is intermediate between the former two regions and has a hydrological mode depending on the conditions in a given year. If one assumes that the distribution area of minimum temperature ( $-1.7^{\circ}$  and below) in the cold intermediate layer is the index of the thermal conditions for the year, the preceding years can be divided into three groups: the "warm" years (1951, 1954, and 1958), the "cold" years (1955, 1957, and 1959) and moderate years (1960 and 1962). Depending on the distribution of the cold intermediate layer to the east and the intensity of the penetration of warm Pacific water from the south, the position of the frontal zone varies from one year to another. In this zone, as a result of a continuous mixing process, the reserve of biogenous matter is replenished, and this, of course, represents a favorable circumstance as far as maintaining the zooplankton biomass in this region is concerned. In the Belinskiy indexes, a comparison of the distribution area of minimum temperature in the cold intermediate layer with atmospheric circulation<sup>4</sup> intensity above the Sea of Okhotsk is expressed by a rather high correlation coefficient  $R = 0.917 \pm 0.02$ . The correlation dependence of the minimum-temperature distribution area in the cold layer on the variability of the intensity of the atmospheric processes for the preceding winter has been established. This dependence can be used for predicting the strength of the intermediate cold layer for the summer period seven months in advance. [Translation of abstract] [DW]

SUB CODE: 08/

Card 2/2 hs

ACCESSION NR: AP4025895

S/0166/64/000/001/0035/0041

AUTHORS: Ablyayev, Sh. A.; Vinokurova, T. Z.

TITLE: Study of high frequency plasma parameters by probe techniques

SOURCE: AN UzSSR. Izv. Seriya fiziko-matematicheskikh nauk, no. 1, 1964, 35-41

TOPIC TAGS: probe technique, high frequency plasma parameter, high frequency discharge, cracking, methane, silica gel, synthetic zeolite, adsorption, desorption, ion current, electron temperature, double probe characteristic, molybdenum, high frequency generator LGE 3B, milliammeter M 82, electronic voltmeter VLU 2

ABSTRACT: It was shown that under the influence of high-frequency discharges the nature of methane cracking depends significantly on the power of the discharge. At low powers the cracking was observed to be superficial, while at high powers the cracking was deep, due to a radical-chain decomposition mechanism. In order, to explain the mechanism of molecular decomposition of methane, the significance of electron temperature was investigated. Studies conducted by the authors showed that under the action of a high-frequency discharge the adsorption power of silica gel and zeolite increased considerably. However, the effect of increase of

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ACCESSION NR: AP4025895

adsorption power was observed only up to a certain maximum value of the high-frequency field, beyond which desorption started. Because of the high frequencies involved, the double probe method was used for measuring the electron temperature. The electron temperature is given by the formula

$$T_e = \frac{eI_{i0}}{\left[ 2 \left( \frac{dI}{dV} \right)_{V=0} - \frac{dI_i}{dV} \right] \cdot k}$$

where  $e$  is the electron charge,  $I_{i0}$  - the ion current in the absence of any external field,  $I$  - the total current,  $V$  - the voltage, and  $k$  - the Boltzmann constant. In the experimental setup for the determination of the electron temperature in the tube containing the silica gel and zeolite, the probes were made of molybdenum wire, 0.4 mm in diameter and a bare exposed length of 5 mm. The probes were embedded to a distance of 10 mm. An LGE-3B h-f generator with an operating frequency of 30 megacycles was used. The tube was vacuum sealed at  $10^{-2}$  mm Hg. The current in the probe circuit was measured by an M-82 milliammeter, and the voltage was measured by a VLU-2 type electronic voltmeter. The results are given in Table 1 on the Enclosures. As can be seen from these results, the adsorption properties increased up to 115 000K, corresponding to a mean energy of 9 ev;

Card 2/5

ACCESSION NR: AP4025895

beyond this desorption started. To determine the electron temperature in methane, the discharge tube employed had a length of 70 cm and a diameter of 3.6 mm. In the middle part of the probe two molybdenum probes were sealed in (each having a diameter of 0.4-0.5 mm and a length of 5 mm) and separated by a distance of 5 mm. Methane was admitted into the discharge tube at a rate of 100 ml/min, and the tube pressure was between 4 and 20 mm Hg. The results (given in Table 2 on the Enclosures) show that at electron temperatures of 30 000K the cracking was light, while for higher values it was deep. Orig. art. has: 16 formulas, 5 figures, and 2 tables.

ASSOCIATION: Fiziko-tekhnicheskiy institut AN UzSSR (Physicotechnical Institute, AN UzSSR)

SUBMITTED: 06Jun63

ENCL: 02

SUB CODE: EE, CC

NO REF SOV: 007

OTHER: 002

Card 3/5

ACCESSION NR: APL025895

ENCLOSURE: 01

Table 1

Field	U, KV	mm.Hg	I <sub>0</sub> in scale divisions	$\frac{dI}{dV}$	$\frac{dI_1}{dV}$	T <sub>e</sub> , K	kT <sub>e</sub> /ev
B	2,3	1·10 <sup>-2</sup>	53	2,4	0,56	145·10 <sup>3</sup>	13
	3,4	1·10 <sup>-2</sup>	90	3	0,35	185·10 <sup>3</sup>	16
	3,4	1·10 <sup>-2</sup>	100	3,2	0,43	213·10 <sup>3</sup>	18
A	3,4	10 <sup>-2</sup>	32	1,75	0,3	115·10 <sup>3</sup>	9
	3,4	10 <sup>-2</sup>	27,5	1,55	0,3	115·10 <sup>3</sup>	9

Adsorption Desorption

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ACCESSION NR: AP4025895

ENCLOSURE: 02

Table 2

$U, \text{KV}$	$p, \text{mm.Hg}$	$I_0$ in scale divisions	$\frac{dI}{dV}$	$\frac{dI_t}{dV}$	$T_e, ^\circ K$	$kT_e, \text{eV}$	Cracking
2,2	5	30	4,8	0,8	39 100	3,16	Medium
2,2	13	21	3,5	1	40 250	3,5	
2,2	22	11	2	0,66	37 720	3,36	
2,8	5	20	2,5	0,7	50 475	4,65	Deep
2,8	13	22	4	0,6	30 000	3,025	Superficial
2,8	22	25	3	0,75	54 740	4,38	Deep

Card 5/5

KHROMCHENKO, L.; DAKHNEVSKIY, I.; VINOKUROVA, V.

Practice of accelerated salting and curing of ham through the  
blood vessels. Mias. ind. SSSR. 30 no.4:12-14 '59.

(MIRA 12:12)

1. Upravleniye pishchevoy promyshlennosti Stalingradskogo sovnarkhoza.  
(Ham)



LIZORKIN, V.; MAKAROVA, Ye.; KHRONCHENKO, L.; SINTSOVA, A.; VINOKUROVA, V.

Rapid method for curing meat for sausage manufacture. Mias.  
Ind.SSR 30 no.1:13 '59. (MIRA 12:4)

1. Nauchno-issledovatel'skoye byuro Stalingradskogo myasotresta.  
(Sausages)

BEYER, V.A., prof., VINOKUROVA, V.A. (Leningrad)

Features of the course of pneumonia in diseases of the blood.  
Klin.med. 36 no.7:123-128 J1 '58 (MIRA 11:11)

1. Iz knedry fakul'tetskoy terapii (nach. prof. V.A. Beyyer)  
Voyenno-meditsinskoy ordena Lenina akademii imeni S.M. Kirova).  
(BLOOD DISEASES, compl.  
pneumonia, course (Rus))  
(PNEUMONIA, compl.  
blood dis. course (Rus))

BEYER, Vladimir Aleksandrovich; ZAKHNEVSKIY, Ye.B., prof.;  
SOROKIN, P.A., prof.; GEYRO, S.B., dots.; KURDYBAYLO, F.V.,  
dots.; SHUMYGIN, D.Ya., dots.; VINOKUROVA, V.A., assistant;  
SENENKO, A.N., red.

[Internal diseases; a manual for physicians] Vnutrennie bo-  
lezni; rukovodstvo dlia vrachei. Leningra., Medgiz, 1963.  
526 p. (MIRA 17:9)

1. Kafedra fakul'tetskoy terapii Voenno-meditsinskoy aka-  
demii im. S.M.Kirova (for all except Senenko).

VINOKUROVA, V.N., kand. tekhn. nauk

Saving of electric power in ventilating coal mines in the  
Kuznetsk Basin. Prom. energ. 18 no.12:2-5 D '63.

(MIRA 17:1)

VINOKUROVA, V.N., docent, kand. tekhn. nauk

Hydraulic losses in turbomachines and their determination. Sbor.  
nauch. trud. Kem. gor. inst. no.5:105-116 '64.

(MIRA 18:3)

1. Gorno-elektromekhanicheskiy fakul'tet Kemerovskogo gornogo  
instituta.

VINCKUROVA, V. N.

VINCKURCVA, V. N. - "The Problem of Investigating Hydraulic Losses in the Working Wheel of an Excavating Pump." Min Higher Education USSR. Moscow Mining Institute I. V. Stalin. Chair of Mining Mechanics. Moscow, 1955. (Dissertation for the Degree of Candidate in Technical Sciences)

So; Knizhnaya Letopis' No 3, 1956

KOGAN, Mikhail Mironovich, kandidat tekhnicheskikh nauk; VINOKUROVA, Ye.,  
redaktor; FOMBERG, P., tekhnicheskiiy redaktor.

[Electric heating of small and medium sized cities] Teplofikatsiia  
malykh i srednikh gorodov. Moskva, Izd-vo Ministerstva kommunal'nogo  
khoziaistva RSFSR, 1956. 83 p. (MLHA 9:5)  
(Heating from central stations)

VINOKUROVA, Ye.

Visiting an apartment house committee. Zhil.-kom. khoz. 10 no.8:21-  
22 '60. (MIRA 13:9)

(Moscow—Apartment houses)



*Handwritten:* 1. 10. 1957. 10. 12. 1957.  
MOROZOVA, O.V.; BAYULA, A.G.; VINOKUROVA, Ye.A.; KOZLOV, V.N.

Frothing agents from wates of gum-turpentine production. Gidroliz.  
i lesokhim. prom. 10 no.8:10-12 '57. (MIRA 10:12)

1. Dal'nevostochnyy i Ural'skiy filialy AN SSSR.  
(Flotation) (Turpentine industry)

*Forward*  
RUTMAN, Sh.P. [deceased]; SHMEL'KOVA, O.P.; VINOKUROVA, Ye.A.

Investigating the flotation of "T" coal fines. Soob.DVPAN  
SSSR no.9:29-33 '58. (MIRA 12:4)

1. Dal'nevostochnyy filial im. V.L.Komarova AN SSSR.  
(Coal preparation) (Flotation)

*done*  
NEFOMNYASHCHIY, I.B.; VINOKUROVA, Ye.A. [deceased]; YEROFYEVA, I.V.;  
TURETSKIY, V.S.

Preparation of Urgal coals at the "Zhilevskaya" Experimental  
and Industrial Coal Preparation Plant. Trudy DVFAN SSSR. Ser.  
khim. no.6:106-109 '62. (MIRA 17:8)

VINOBUROVA, Ye.A. [deceased]; VORONCHIKHINA, A.P.; RUTMAN, Sh.P. [deceased]

Investigating the coking capacity of Urgal and Suchan coals.  
Trudy DVFAN SSSR. Ser. khim. no.6:29-33 '62. (MIRA 17:8)

VINOKURTSEV, G.G.

Suggestions for the design of cathodic protection on one section  
of the Bukhara-Ural Gas Pipeline. Stroi. truboprov. 9 no.6:34-35  
Je '64. (MIRA 17:12)

1. Rayonnoye upravleniye gazoprovoda, Kagan, Bukharskoy oblasti.

VINCKEROVA, YE.B.

Mezhdugorodnaia telefonnaia stantsiia gor. Ivanovo. [Interurban telephone station in the city of Ivanovo]. (Vestnik sviazi. Elektrosviaz', 1947, no. 4, p. 10-12).  
DLC: TK4.V45

Mezhdugorodnaia telefonnaia stantsiia oblasti i ee vzaimootnosheniia so stantsiiami raiona. [Interurban telephone station of a province and its relations with the regional station]. (Vestnik sviazi. Pochta. 1947, no. 10, p. 11).  
DLC: HE7.V44

SC: Soviet Transportation and Communications, A Bibliography, Library of Congress, Reference Department, Washington, 1952, Unclassified.

VINOKUROVA, Ye. B.

Instructor in work quality. Vest.sviazi 7 no.7:6-7 J1 '47  
(Telegraph--Employees) (MIRA 9:1)

VINOKUROVA, Ye. B.

*From single Stakhanovites to Stakhanovite brigades and sectors.*  
Vest. svyazi 7 no. 9:11-13 8 '47. (MLRA 9:1)  
(Telephone--Employees)



VINOGRADOVA, L.S.

Vsesoiuznoe soveshcheniye radio nirov telegraf v. [Union-wide conference of  
telegraph workers]. (Vestnik svyazi. Pechata. 1947, no. 6, p. 4-5).  
DLC: AE7.Vlnh

SO: Soviet Transportation and Communications, A Bibliography, Library of Congress,  
Reference Department, Washington, 1952, Unclassified.

VINOKUROVA, Ye. B.

PA 7/49T45

USSR/Communications

Sep 48

Telephone Lines

Efficiency, Industrial

"From Individual Stakhanovites to a Trunk-Line  
Stakhanovite Group," Ye. B. Vinokurova, 1½ pp

"Vest Svyazi - Elektrosvyaz'" No 9 (102)

Article on subject appeared in "Vest Svyazi - Elektrosvyaz'" No 3, 1948. Described achievements of workers on the Moscow-Kiev Line. Vinokurova describes growth of Stakhanovite group work on other trunk lines.

7/49T45

VINOKUROVA, Ye. B.

IVLEV, A.P.; ASHUKIN, D.I., konsul'tant; VINOKUROVA, Ye.B. [literaturnaya zapis']; TAMAROVICH, M.A., redaktor; KONYASHINA, A., tekhnicheskii redaktor.

[Under the city streets] Pod ulitsami goroda. Moskva, Izd-vo ministerstva kommunal'nogo khoziaistva RSFSR, 1954. 47 p. (MLRA 8:1)

1. Nachal'nik eksploatatsionnogo uchastka vodostochnoy seti Moskvy (for Ivlev). 2. Glavnyy inzhener kontory eksploatatsii moskovskogo tresta "Gordoreksploatatsiya." (for Ashukin)  
(Moscow--Sewerage)

VINOKUROVA, Ye. B.

ANUPRIYEV, V.Ye.; AKSEL'ROD, L.S.; KARAGODIN, V.L.; SAKHAROV, V.M.; PUSHTORSKIY, Ye.I., redaktor; VINOKUROVA, Ye.B., redaktor; PETROVSKAYA, Ye. tekhnicheskii redaktor.

[Hydraulic engineering for cities] Gorodskaya gidrotekhnika. Moskva, Izd-vo Ministerstva kommunal'nogo khoziaistva RSFSR, 1954. 270 p. (MLRA 8:1)  
(Hydraulic engineering) (Municipal engineering)

VINOKUROVA, Ye.B.

GARPINCHENKO, A.M.; GOLUBEV, S.G.; DANILOV, M.V.; KAL'M, A.A.; KALYAYEV, S.V.; MIKHAYLOV, V.I.; GOLUBEV, S.G.; redaktor: FILATOV, I.G., redaktor; VINOKUROVA, Ye.B., redaktor; KONYASHINA, A., tekhnicheskii redaktor.

[Fire extinction tactics] Pozharnaya taktika. Pod red. S.G.Golubeva. Moskva, Izd-vo Ministerstva kommunal'nogo khoziaistva RSFSR, 1955. 379 p.  
(Fire extinction) (MIRA 8:6)

VINOKUROVA, Ye. B.

STRAMENTOV, Andrey Yevgen'yevich, professor, doktor tekhnicheskikh nauk; BABKOV, V.F., redaktor; VINOKUROVA, Ye. B., redaktor; PETROVSKAYA, Ye., tekhnicheskii redaktor

[City streets and roads; textbook for engineering schools] Gorodskie ulitsy i dorogi; uchebnik dlia stroitel'nykh vuzov. Izd. 2-oe, ispr. i dop. Moskva, Izd-vo Ministerstva kommunal'nogo khoziaistva RSFSR, 1955. 487 p.

(Streets) (Roads)

(MLRA 9:1)

GODZHELLO, Mikhail Georgiyevich; DEMIDOV, Petr Georgiyevich; DZHALALOV, Yervand Markosovich; KORSHAK, Zinaida Vladimirovna; RYABOV, Igor' Vasil'yevich; TARASOV-AGALAKOV, N.A., redaktor; VINOKUROVA, Ye.B., redaktor; SHOROV, D.M., tekhnicheskii redaktor

[Readily inflammable and combustible liquids; manual] Legkovoplame-  
niaiushchiesia i goruchie zhidkosti; spravochnik. Pod obshchei red.  
N.A.Tarasova-Agalakova, Moskva, Izd-vo Ministerstva kommunal'nogo  
khoziaistva RSFSR, 1956. 110 p. (MLRA 9:11)  
(Liquid fuels)

KOPMAN, Pavel Grigor'yevich; MOLODYKH, I.A., red.: VINOKUROVA, Ye.B.,  
red.izd-va; LELYUKHIN, A.A., tekhn.red.

[Automatic control of the rolling stock of urban electric  
transportation systems] Avtomatizatsiia upravleniia podvizzh-  
nym sostavom gorodskogo elektricheskogo transporta. Moskva,  
Izd-vo M-va kommun.khoz.RSFSR, 1959. 139 p. (MIRA 12:12)  
(Automatic control) (Local transit)



SOSNIN, Yuriy Pavlovich, kand.tekhn.nauk; VINOKUROVA, Ye.B., red.:  
SHLIKHT, A.A., tekhn.red.

[Converting heating and cooking stoves from solid fuel to  
gas] Perevod otopitel'no-varochnykh pechei s tverdogo topliva  
na gaz. Moskva, Izd-vo M-va kommun.,hoz.RSFSR, 1959. 154 p.  
(MIRA 12:12)

(Stoves)

VINOKUROV, Ye. F.

124-1957-10-11874

Translation from: Referativnyy zhurnal, Mekhanika, 1957, Nr 10, p 97 (USSR)

AUTHOR: Vinokurov, Ye. F.

TITLE: Determination of Deformation of a Wedge Under a Uniform Infinite Load (Opredeleniye deformatsiy klina pod deystviyem ravnomernoy beskonechnoy nagruzki)

PERIODICAL: Sb. nauch. trudov Belorus. politekhn. in-ta, 1954, Nr 44 (6), pp 193-198

ABSTRACT: Examination of an elastic, infinite, weightless wedge, one side of which carries a uniform load while another side rests on an absolutely rigid base. In the determination of the displacements, the boundary conditions were formulated erroneously, which, for example, renders the integrating constants dependent on the polar coordinate. In a paper by R. M. Rappoport (Izv. N.-i. in-ta gidrotekhniki, 1948, Vol 36) expressions for Airy's function are derived. The displacements are determined easily through Airy's functions by means of well-known formulas.

A. M. Kochetkov

Card 1/1

VINOKUROVA, Ye.G.; ZHUKOVA, Ye.A.

Stratigraphy of Cretaceous sediments in the lower reaches of the  
Amu Darya in boreholes in the area of Khodzheyli and Chimlay. Uzb.  
geol. zhur. no.2:79-83 '61. (MIRA 14:5)  
(Amu Darya Valley—Geology, Stratigraphic)

VINOKUROVA, Ye.G.; ZHUKOVA, Yo.A.

Stratigraphy of Cretaceous sediments in the Sultan Uizdag.  
Trudy Uz.geol.upr. no.1:47-51 '60. (MIRA 14:8)  
(Sultan Uizdag--Geology, Stratigraphic)

ZHUKOVA, Ye.A.; VINOKUROVA, Ye.G.

Sediments of the Turonian stage in the Chirchik-Angron basin.  
Dokl. AN Uz.SSR no.10:27-28 '59 (MIRA 13:3)

1. Institut geologii AN UzSSR. Predstavleno chlenom-korrespondentom  
AN UzSSR G. A. Mavlyanovym.  
(Uzbekistan--Paleontology, Stratigraphic)

VINOKUROVA, Ye.G.; ZHUKOVA, Ye.A.

Isolating sediments of the Manian stage in the lower Amu Darya  
Valley. Uzb. geol. zhur. no.4:80-81 '59. (MIRA 13:1)

1. Institut geologii AN UzSSR.  
(Amu Darya Valley--Geology, Stratigraphic)

VINOKUROVA, Ye.G.; ZHUKOVA, Ye.A.

Materials on the stratigraphy of Cretaceous sediments in the  
Kul'dzhuk-Tau. Trudy Uz. geol. upr. no.2:21-28 '62. (MIRA 16:8)  
(Kul'dzhuk-Tau—Geology, Stratigraphic)


VINOKUROVA4YE8V8

600

1. BELASH, F. N., SALTANOV. V. I., VINOKUROVA, Ye. V.

2. USSR (600)

"Giredmet" (State Institute of Rare Metals) Selective  
Crushing Used for the Extration of Minerals Which are  
Difficult to Concentrate" Tsvet. Met. 14, No 6, 1939.

9.  Report U-1506, 4 Oct. 1951



VINOKURSKIY, A.F.

Increasing the reliability and service life of knitting machines.  
Tekst. prom. 25 no.10:44-45 O '65. (MIRA 18:10)

1. Glavnyy inzh. Spetsial'nogo konstruktorskogo byuro  
Chernovitskogo zavoda "Legmash".

VINOKURSKIY, Khaim Aronovich; BOGUSLAVSKIY, P.Ye., kand.tekhn.nauk,  
retsensent; PARNITSKIY, A.B.,kand.tekhn.nauk, red.; MARCHENKOV,  
I.A., tekhn.red.

[Steel elements in the manufacture of heavy machinery] Stal'nye  
konstruktsii v tiazhelom mashinostroenii. Moskva, Gos.nauchno-  
tekhn.izd-vo mashinostroit.lit-ry, 1960. 351 p.

(MIRA 13:11)

(Machinery industry)

(Structural steel)

VINOKURSKIY, Kh. A.

PHASE I BOOK EXPLOITATION

1177

Ural'skiy zavod tyazheloego mashinostroyeniya, Sverdlovsk  
Konstruirovaniye gornobogatitel'nogo oborudovaniya (Design of Ore  
Beneficiation Equipment), Moscow, Mashgiz, 1958. 234 p. (Series:  
Its: Sbornik statey, vyp. 2) 5,000 copies printed.

Ed.: Kubachek, V. R., Engineer; Tech. Ed.: Dugina, N.A.; Ed. (Ural-  
Siberian Division, Mashgiz): Sustavov, M. I., Engineer.

PURPOSE: This collection of articles is intended for engineers,  
technicians, and scientific personnel.

COVERAGE: The articles describe improvements in the design of mining  
equipment which have taken place during the last 25 years at the  
Uralsmashzavod (Ural Heavy Machinery Plant) in Sverdlovsk. Designs  
are given for the booms of heavy-duty and super-duty excavators, for  
new oil-drilling machines, and for planetary gear trains for heavy  
machinery drives. The authors present methods of making design  
calculations for crushers, mechanisms for excavators and other machines,

Card 1/3

1177

Design of Ore (Cont.)

and for fabricated metal structures. Finally, results are given of model and strain-gauge testing of machine components.

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AVAILABLE: Library of Congress

Card 3/3

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March 16, 1959

VINOKURSKIY, Kh.A.

Calculating the strength of metal structures for machine building  
under the effect of variable load. Sbor.st.UZTM no.2:176-215

' 58.

(MIRA 11:12)

(Machinery--Construction) (Structures, Theory of)

VINOKURSKIY, Kh. A., kand. tekhn. nauk, laureat Stalinskoy premii

Metal elements of heavy-duty walker excavators made by the  
Ural Heavy Machinery Plant, Sbor. trud. MISI no.39:181-189  
'61. (MIRA 16:4)

1. Ural'skiy zavod tyazhelogo mashinostroyeniya imeni S.  
Ordzhonikidze.

(Excavating machinery)

VINOKURSKIY, Khaim Aronovich; ISAYEV, Timofey Yemel'yanovich;  
RUDOISKATEL', Vladimir Vasil'yevich; YARTSEV, Grigoriy  
Matveyevich; YASENEV, Dmitriy Andreyevich; SATOVSKIY, Boris  
Ivanovich; KUBACHEK, Vladimir Rudol'fovich; SHABASHOV, A.P.,  
kand.tekhn.nauk, red.; DUGINA, N.A., tekhn.red.

[Walking excavators manufactured by the Ural Heavy Machinery  
Plant] Shagaiushchie ekskavatory Uralmashzavoda. Moskva, Gos.  
nauchno-tekhn.izd-vo mashinostroit. lit-ry, 1958. 329 p.  
(Excavating machinery) (MIRA 11:12)



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VINOKURSKIY, KHAIM AKONOVICH

SHAGAYUSHCHIYE EKSKAVATORY URALMASHZAVODA (WALKING EXCA-  
VATORS MANUFACTURED BY THE URAL HEAVY MACHINERY PLANT, BY) KH.  
A. VINOKURSKIY (I DR.) MOSKVA, MASHGIZ, 1958.  
329 p. Illus., Diags., Tables.  
Bibliographical Footnotes.

VINOKURSKIY, Kh.A.

Jibs of power and superpower excavators of the Ural Machinery  
Plant. Sbor.st.UZTM no.2:28-52 '58. (MIRA 11:12)  
(Sverdlovsk--Machinery industry) (Excavating machinery)

SATOVSKIY, B. I. (Eng.), VINOKURSKIY, Kh., A., (Eng.) KUBACHEK, V. R. (Eng.)

**Excavating Machinery**

Increasing the productivity of the walking excavator ESh-10/75. Mekh. stroi. 9  
no. 7, 1952.

9. Monthly List of Russian Accessions, Library of Congress, September 195<sup>2</sup><sub>4</sub>, Uncl.

VINOKURSKIY, Kh. A.

SATOVSKIY, B.I., inzhener, laureat Stalinskoy premii; VINOKURSKIY, Kh.A., kandidat tekhnicheskikh nauk, laureat Stalinskoy premii; KUBA-~~CHEN~~, V.R., inzhener; YASENEV, D.A., inzhener; ISAYEV, T.Ye., inzhener; YARTSEV, G.M., inzhener; KUDOISKATEL', V.V., inzhener; PAR-NITSKII, A.B., kandidat tekhnicheskikh nauk, redaktor.

[The BSh-14/75 walking excavator] Shagivayushchiy ekskavator BSh-14/75. Ustroistvo i ekspluatatsiya. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroitel'noi i sudostroitel'noi lit-ry, 1953. 210 p.(MLRA 7:7)

1. Russia (1923- U.S.S.R) Ministerstvo transportnogo i tyazhelogo mashinostroeniya.  
(Excavating machinery)

PHASE I BOOK EXPLOITATION

SOV/4826

Vinokurskiy, Khaim Aronovich

Stal'nyye konstruktsii v tyazhelom mashinostroyeni (Steel Constructions in the Heavy-Machine Industry) Moscow, Mashgiz, 1960. 351 p. 6,000 copies printed.

Reviewer: P. Ye. Boguslavskiy, Candidate of Technical Sciences;  
Ed.: A. B. Parnitskiy, Candidate of Technical Sciences; Executive Ed. (Ural-Siberian Department, Mashgiz): T. M. Somova, Engineer; Tech. Ed.: I. A. Marchenkov.

PURPOSE: This book is intended for technical personnel concerned with the design, manufacture and operation of steel machinery constructions. It may also be used by students at mechanical-engineering schools of higher education.

COVERAGE: The author discusses achievements in the calculation, design, and investigation of the performance of steel constructions used in the heavy machine industry. General considerations and requirements applied in the design of steel

~~Card 1/15~~

Steel Constructions (Cont.)

SOV/4826

constructions are presented. Methods of calculating these constructions with regard to fatigue are also considered. Attention is given to principles for the selection of methods for the calculation and design of subassemblies of walking draglines. These methods can be applied to the design of other similar constructions. The book is based on the author's 25-year experience as a designer at the Ural'skiy zavod tyazhelogo mashinostroyeniya (Ural Heavy Machinery Plant). The author thanks M. S. Balakhovskiy, Engineer, who helped in editing Part Three. There are 40 references: 38 Soviet and 2 English.

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3

PART I. GENERAL PROBLEMS IN DESIGNING STEEL  
MACHINE STRUCTURES

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VINOKURSKIY, S. A.

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Vinokurakiy, S. A. Izmereniye Ugla Zaostreniya, Rezhushchey  
Kromki Proizvol'noy Formy. Stanki I Instrument, 1949, No. 7  
S 11-14

So:

Letopis' No. 30, 1949

VINOKURSKIY, S. A.

32525. Vinokurskiy, S. A. Pogreshnosti, svyazannyye s izmereniem ugla zaostreniya na dvoynom mikroskope Linnika. Stanki i instrument, 1949, No. 10, s. 13-14.

SO: Letopis' Zhurnal'nykh Statey, Vol. 44



28A-524. Measurement of Angle of  
 Taper of Cutting Edges of Arbitrary  
 Shape. (In Russian.) S. A. Vinokurskii.  
 Stanki i Instrumenty (Machine Tools  
 and Equipment), v. 20, July 1949, p.  
 11-14.  
 New method based on use of a  
 double microscope.

VINOKURSKIY, S.A., kandidat tekhnicheskikh nauk.

Instrument for controlling the thickness of coatings. Vest.mash. 33 no.  
5:70-73 My '53. (MLRA 6:5)

(Metal cladding)

(Measuring instruments)

VINOKURSKIY, S. A.

*Vinokurskiy, S. A.*

USSR/Engineering - Measuring Instruments

Card 1/1      Pub. 103 - 9/25

Authors      : Vinokurskiy, S. A., and Sobolevskiy, S. V.

Title        : ~~Measurement of the thickness of coatings~~  
V-166 instrument used for measuring the thickness of coatings

Periodical   : Stan. i instr. 1, page 25, Jan 1955

Abstract    : The All-Union Scientific Research Institute for Medical Instruments and Equipment, designed and constructed a new-type of instrument for measuring the thickness of anti-magnetic coatings on magnetic metals. A description is presented of the above mentioned instrument, together with technical data. Illustration.

Institution : .....

Submitted   : .....

VINOKURSKIY, S.A., SOBOLEVSKIY, S.V.

The IMU-1 instrument for measuring the power of ultrasonic waves.  
Priborostroenie no.11:30 N '56. (MIRA 10:1)  
(Ultrasonic waves--Measurement)

SOV/123-59-16-65061

Translation from: Referativnyy zhurnal. Mashinostroyeniye, 1959, Nr 16, p 194 (USSR)

AUTHOR: Vinokurskiy, S. A.

TITLE: Device for the Testing of Twisted Metal Bands

PERIODICAL: Materialy po obmenu opytom i nauchn. dostizh. Vses. n.-i. in-t med. instrumentariya i oborud., 1958, Nr 2 (27), 114 - 117

ABSTRACT: A detailed description of a device is given which was developed by the VNIIMI i O for the testing of twisted metal bands and the finding of the dependence between the axial stress of the twisted band and its linear elongation and angle of twist. Methodical instructions about the application of the device and about the order in which the tests have to be carried out are given. Besides data are given about the results of measuring with this device a band 50 mm long, twisted through an angle of 360°. Photo and scheme.

P.B.F.

Card 1/1

VINOKURSKIY, S.A.: SOBOLEVSKIY, S.V.

Devices for controlling the thickness of a coating (B-22 and B-21)  
Med.prom. 12 no.4:46-50 Ap '58. (MIRA 11:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut meditsinskogo  
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